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Laser Pattern Generator

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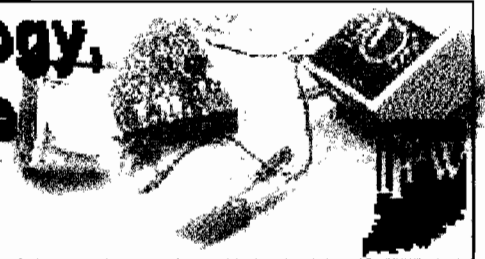
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Engineering, Technology, and Computer Science



Laser pattern generator Final Report

Prepared for:

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April 26, 1999

ABSTRACT

The self-contained laser pattern generator. Was designed to fulfill a need in the entertainment lighting industry. The market demands a portable laser pattern generator that is reliable and costs less than \$1000. My generator, based on existing generator designs and using cost-effective components, has serious potential for market use.

The generator produces Lissajous patterns and audio modified Lissajous patterns by manipulating a laser beam in a controlled manner. This manipulation is accomplished using two Galvos, a feedback circuit, and a controller. The unit was also designed to accept computer control upgrades.

Table of Contents

TABLE OF CONTENTS.....	II
TABLE OF FIGURES.....	III
Introduction.....	1
I. Function.....	2
A. Filter.....	2
B. Galvo.....	2
C. PID Servo Amp.....	3
D. Lissajous Oscillators	4
E. Dual Microphone Preamp Circuit.....	4
F. Six Input Fader.....	4
G. Laser Tube.....	5
1. Ballast Resistor.....	6
H. Laser Power supply.....	6
II. Physical.....	6
A. Filter.....	6
B. Galvo.....	7
C. PID Servo Amp.....	8
D. Lissajous Oscillators	10
E. Dual Microphone Preamp Circuit.....	11
F. Six Input Fader.....	12
G. Laser Tube.....	13
1. Ballast Resistor.....	13
H. Laser Power Supply.....	14
III. Testing.....	14
A. Power Supply.....	14
B. Laser Tube.....	14
C. Dual Microphones.....	15
D. Lissajous Oscillators.....	15
E. Galvo.....	15
IV. Part List.....	16
V. References.....	19
VI. Conclusion.....	19
APPENDIX A. DATA SHEETS FOR ALL CHIPS USED.....	A1
APPENDIX B. FAULHABER SCHONAICH ACTUATORS	B1

Table of Figures

FIGURE 1 Laser pattern generator lay-out.....	1.
FIGURE 2. This is the schematic for the filter circuit.....	2.
FIGURE 3. This is a layout of two Galvos and the path of a laser beam.....	3.
FIGURE 4. This is an example of a Lissajous pattern.....	4.
FIGURE 5. This is a HeNe laser tube.....	5.
FIGURE 6. This is a 75K Ohm ballast resistor	6.
FIGURE 7. Exploded view of the Galvo, Flag, and sensing tower	8.
FIGURE 8. This is a schematic of the PID amp.....	9.
FIGURE 9. This is the schematic for the Lissajous oscillator circuit.....	10.
FIGURE 10. This is a schematic of the dual microphone circuit.....	11.
FIGURE 11. This is a schematic of the Six Input Fader	12.
FIGURE 12. This tube is shown with a manufactured power supply and a ballast resistor.....	14.
FIGURE 13. Galvo Test.....	15.